Sarfaraj Ansari

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Education

VIT Bhopal University, Bhopal, India   **October 2022 – Present**
B-Tech Computer Science and Engineering (Specialization in Artificial Intelligence and Machine Learning)   **CGPA: 8.57/10**

Skills

Languages: Python, JavaScript, HTML/CSS

Frameworks: Pytorch, Keras, scikit-learn, matplotlib, SQL, fastapi, Docker, Django, Selenium, React JS.

Concept & Tools: GANs, Transformers, Deep Neural Networks, Machine Learning, Pandas, Beautiful-Soup, Azure Function, Azure Service-bus, AWS Lambda, ECR.

Soft Skills: Team leadership, Integrity & ethics, Logical reasoning, Public Speaking.

Work Experience

Settyl   **July 2021 - Present**
Full Stack Developer

- Engineered a comprehensive form management solution featuring a JSON-based rendering engine that dynamically creates forms from schema definitions across 15+ product modules, with an OCR-powered auto-fill system that extracts data from uploaded PDFs reducing development time by 70%.
- Architected a PDF Management System with integrated editor using React JS, automating document generation for 8 document types and serving 1000+ daily users.
- Built scalable inventory tracking system for Xpress-bees using ClickHouse database, processing 2M+ product serial numbers and consumption records daily, reducing query response time from minutes to seconds for billion-record datasets.
- Designed Multi-agent system using Google's Agent Development kit to encapsulate platform features over a chat with Agents.
- Tech-stack: Python, Pandas, Scikit-learn, Selenium, Clickhouse, PostgreSQL, Mongo DB, Fast API, React JS, Express JS, Node JS, JavaScript, Docker, Azure Functions.

Upwork   **September 2021 - Present**
Freelancer

- Completed 30+ projects on Upwork across data processing, web scraping, React development, and automation for 15 global clients.
- Receiving 100% positive feedback and achieving 'Top Rated Freelancer' status in 2022. Delivered high-quality work ahead of deadlines, leading to 40% increase in client retention rates.
- Tech-stack: Python, Pandas, Selenium, Beautiful-Soup, JavaScript, React JS.

Projects

Edutube | Github   **July 2024**
Python, Langchain, JavaScript, React JS, MongoDB

- Engineered a learning platform with a RAG model that identifies key concepts from YouTube videos with 90% accuracy, generating interactive UI content and allowing users to manipulate values for a hands-on learning experience.

Legal Sphere | Github Link   **August 2024**
Python, Langchain, React JS, MongoDB

- Built AI-driven legal research engine using Retrieval Augmented Generation to analyze 250K+ consumer cases. Provides comprehensive case analysis with decision trees, and pdf reports.

Mountain Generation GAN | Wandb Report | Github Link   **May 2024**
Python, Pytorch

- Trained a GAN model to generate realistic mountain landscape images from random noise using 20K training images.
- Achieved stable convergence with clear mountain features including peaks, ridges, and natural terrain variations. Created epoch-by-epoch training visualization demonstrating progressive image quality improvement.

Extra Curriculars

- **President, Freelancing club of VIT Bhopal | January 2024 – Present:** Led a club of 200+ members, facilitated workshops for 100+ attendees on skill building and freelancing, and organized 'Freelance Arena,' a competition where participants advanced by proposing ideas, negotiating, and completing projects on time.
- **Hobbies:** Playing Chess, Participating in Model United Nations.
- **Languages:** Fluent in Hindi, English.